

PDI




Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	




PID controllers

PID controller – PDI series

Types	PDI 110	PDI 380	PDI 390
			
Dimensions (mm) HxWxD	75 x 33 x 64	75 x 33 x 64	75 x 33 x 64
Function	Single display digital controller. 1 configurable input for thermistors. Generic cooling and heating process and ON/OFF control mode applications. Additional configurable digital input. 2 configurable outputs (relays, SSR) 1 for temperature control and 1 for alarm function. Different alarm configuration available. Multi-level parameters programming, password protected. Programming KEY.	Single display digital controller. Up to 4 configurable set points. Configurable multi input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 2 configurable outputs (relay, SSR). Soft Start and LbA functions. Led shift index. Multi-level parameters programming, password protected. Programming KEY	Dual display digital controller. Up to 4 configurable set points. Configurable multi input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 2 configurable outputs (relay, SSR). Soft Start and LbA functions. Multi-level parameters programming, password protected. Programming KEY.
Input specifications			
Overall accuracy	±0.5% f.s.	±0.5% f.s., ±1% TC-S	±0.5% f.s., ±1% TC-S
Input signal	PTC KTY81-121, NTC 103AT-2	TC (J, K, S, I R), Pt100, mV [C] TC (J, K, S, I R), PTC, NTC, mV [E] 0/4-20 mA [I] 0/1-5 0/2-10 VDC [V]	TC (J, K, S, I R), Pt100, mV [C] TC (J, K, S, I R), PTC, NTC, mV [E] 0/4-20 mA [I] 0/1-5 0/2-10 VDC [V]
Sampling rate	8 per second	8 per second	8 per second
Display	4 digit 7-segment LED, h 12mm	4 digit 7-segment LED, h 12mm	4+4 digit 7-segment LED, h 7mm
Output specifications			
Output 1	Relay SPDT 16A-AC1 [S], Relay SPST-NO 16A-AC1 [R]	Relay [R], 8mA/8VDC for SSR [O]	Relay [R], 8mA/8VDC for SSR [O]
Output 2	No [X] Relay SPDT 5A-AC1 [R],	No [X] Relay [R], 8mA/8VDC for SSR [O]	No [X] Relay [R], 8mA/8VDC for SSR [O]
Others			
Power supply	12VAC / DC [F] 24VAC / DC [L] 100-240VAC [H]	12VAC / DC [F] 24VAC / DC [L] 100-240VAC [H]	12VAC / DC [F] 24VAC / DC [L] 100-240VAC [H]
Internal Buzzer	No Buzzer [X] Buzzer [B]		
Approvals	CE - cURus	CE - cURus	CE - cURus
References			
For ordering key details, please refer to www.productselection.net			




PID controllers

PID controller – PDI series

Types	PDI 408	PDI 409	PDI 410
			
Dimensions (mm) HxWxD	48 x 48 x 98	48 x 48 x 98	48 x 48 x 98
Function	Single display digital controller. Up to 4 configurable set points. Configurable multi input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 3 configurable outputs (relay, SSR). Soft Start and LbA functions. Led shift index. Multilevel parameters programming, password protected. Programming KEY.	Dual display digital controller. Up to 4 configurable set points. Configurable multi input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 3 configurable outputs (relay, SSR). Soft Start and LbA functions. Multi-level parameters programming, password protected. Programming KEY.	Single display digital controller. Up to 4 configurable set points. Universal input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 4 configurable outputs (relay, SSR). Soft Start and LbA functions. Led shift index. RS485 communication. CT input for HB alarm. Multi-level parameters programming, password protected. Programming KEY.
Input specifications			
Overall accuracy	±0.5% f.s, ±1% TC-S	±0.5% f.s, ±1% TC-S	±0.15% f.s.
Input signal	TC (J, K, S, IR), PTC, NTC, mV [E] TC (J, K, S, IR), PT100, mV [C] 0/4-20 mA [I] 0-1V, 0/1-5V, 0/2-10V [V]	TC (J, K, S, I R), PTC, NTC, mV [E] TC (J, K, S, I R), PT100, mV [C] 0/4-20 mA [I] 0-1V, 0/1-5V, 0/2-10V [V]	Pt100, TC (J, K, S, IR), PTC, NTC, mv, V, mA
Sampling rate	8 per second	8 per second	8 per second
Display	4 digit 7-segment LED, h 12mm	4+4 digit 7-segment LED, h 7mm	4 digit 7-segment LED, h 12mm
Output specifications			
Output 1	Relay [R], 8mA/8VDC for SSR [O]	Relay [R], 8mA/8VDC for SSR [O]	Relay [R], 7mA/14VDC for SSR [O]
Output 2	No [X] Relay [R], 8mA/8VDC for SSR [O]	No [X] Relay [R], 8mA/8VDC for SSR [O]	No [X] Relay [R], 7mA/14VDC for SSR [O]
Output 3	No [X] Relay [R], 8mA/8VDC for SSR [O]	No [X] Relay [R], 8mA/8VDC for SSR [O]	No [X] Relay [R], 7mA/14VDC for SSR [O]
Output 4			No [X] Relay [R], 7mA/14VDC for SSR [O]
Options			
Serial Communication			No [X] RS485 [S]
Heater Break Alarm			No [X] CT input [H]
Others			
Power supply	24VAC / DC [L] 100-240VAC [H]	24VAC / DC [L] 100-240VAC [H]	24VAC / DC [L] 100-240VAC [H]
Approvals	CE - cURus	CE - cURus	CE - cURus
References			
For ordering key details, please refer to www.productselection.net			

PID controllers

PID controller – PDI series

Types	PDI 420	PDI 430	PDI 720
			
Dimensions (mm) HxWxD	48 x 48 x 98	48 x 48 x 98	72 x 72 x 97
Function	Dual display digital controller. Up to 4 configurable set points. Universal input. ON/OFF, single/ double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 4 configurable outputs (relay, SSR). Soft Start and LbA functions. RS485 communication. CT input for HB alarm. Multi-level parameters programming, password protected. Programming KEY.	Dual display digital controller. Up to 4 configurable set points. Universal input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 4 configurable outputs (relay, SSR or 2 normalized analogue signal outputs). Input signal retransmission. Motorized actuators control. Soft Start and LbA functions. RS485 communication. CT input for HB alarm. Additional dig. in. Multi-level parameters programming, password protected. Programming KEY.	Single display digital controller. Up to 4 configurable set points. Configurable multi input. ON/OFF, single/double action PID or Neutral Zone control. Fast Autotuning and Selftuning. Up to 3 configurable outputs (relay, SSR). Soft Start and LbA functions. Led shift index. RS485 communication. Additional digital input. Multi-level parameters programming, password protected. Programming KEY.
Input specifications			
Overall accuracy	±0.15% f.s.	±0.15% f.s.	±0.5% f.s., ±1% TC-S
Input signal	Pt100, TC (J, K, S, IR), PTC, NTC, mv, V, mA	Pt100, TC (J, K, S, B, C, E, L, N, R, T, IR), PTC, NTC, mv, V, mA (1 Programmable digital input)	Pt100, TC (J, K, S, IR), mV [C] PTC, NTC, mV, TC (J, K, S, IR) [E] 0/4-20 mA [I], 0/1-5V, 0/2-10V [V]
Sampling rate	8 x per second	8 x per second	8 x per second
Display	4+4 digit 7-segment LED, h 7 mm	4+4 digit 7-segment LED, h 7mm	4 digit 7-segment LED, h 14 mm
Output specifications			
Output 1	Relay [R], 7mA/14VDC for SSR [O]	Relay [R], 7mA/14VDC for SSR [O] 0/4-20mA [C], 0/2-10V [V]	Relay [R], 8mA/8VDC for SSR [O]
Output 2	No [X] Relay [R], 7mA/14VDC for SSR [O]	No [X] Relay [R], 7mA/14VDC for SSR [O] 0/4-20mA [C], 0/2-10V [V]	No [X] Relay [R], 8mA/8VDC for SSR [O]
Output 3	No [X] Relay [R], 7mA/14VDC for SSR [O]	No [X] Relay [R], 7mA/14VDC for SSR [O]	No [X] Relay [R], 8mA/8VDC for SSR [O]
Output 4	No [X] Relay [R], 7mA/14VDC for SSR [O]	No [X] Relay [R], 7mA/14VDC for SSR [O]	
Options			
Serial Communication	No [X] RS485 [S]		No [X] RS485 [S]
Serial Communication and/or digital input		No [X] RS485 [S] RS485 + DI [I]	No [X] DI [I]
Heater Break Alarm	No [X] CT input [H]	No [X] CT input [H]	
Others			
Power supply	24 VAC / DC [L] 100-240 VAC [H]	24 VAC / DC [L] 100-240 VAC [H]	24 VAC / DC [L] 100-240 VAC [H]
Approvals	CE - cURus	CE - cURus	CE - cURus
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